

3.5.6 WHEAT DEMONSTRATION TRIAL (GNARWARRE)

Location: "South Roxby" Gnarwarre

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Background:

The demonstration blocks are designed to view commercial varieties on a relatively large scale. They are used to complement the work undertaken by DNRE with their testing programme.

Trial Design: Nearest neighbour design. Each variety is represented by 5 beds of 60 metres in length

Sowing Rate: 90 kg/ha

Sowing Date: 6th June 2002

Aim:

To test 6 commercial wheat varieties

Fertiliser: 120 kg/ha Granulock 15 at sowing
100 kg/ha Urea applied 21/08/02

Results:

Variety	Yield kg/ha				% Yield vs Kellalac	Protein %	Test Weight kg/hl
	Rep 1	Rep 2	Rep 3	Average			
Kellalac	3545	3695	3476	3620	100%	9.00	77.40
Chara	3513	3984	3941	3749	104%	9.10	77.40
MacKellar	3401	3877	3856	3639	101%	8.00	77.80
Kellalac	3545	3695	3476	3620	100%	9.70	78.00
Mitre	3813	3262	3797	3537	98%	7.80	76.40
Brennan	3144	2797	2952	2971	101%	7.60	76.40
Kellalac	2963	2920	2353	2941	100%	8.90	76.40

Discussion:

It was a relatively low yielding site, perhaps reflecting the fact that the site was in cereal in 2001 and the soil nitrogen status at planting was very low. Protein figures certainly indicate the fact that soil nitrogen was low

All varieties performed equally, although the winter wheat types had slightly lower grain protein than the spring wheat types.

The season tended to favour the earlier maturity types such as Chara, although given this, the performance of MacKellar and Brennan was quite acceptable.

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Monthly trial updates including photos

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